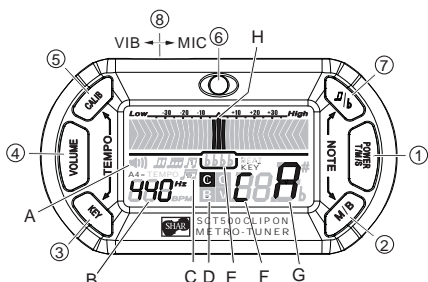# STM500 CLIP METRO-TUNER

SHAR

User's manual

Thank you for choosing SHAR STM500 Clip Metro-tuner. Please read the user's manual carefully before using this product, and operate the product according to the manual. Please keep this manual for later reference.

⚠ CAUTION

- Do not open the casing for any reason as this may cause a short circuit or product malfunction.
- Do not apply excessive force to the product.
- Keep unit away from dust, extreme temperatures, humidity, and all liquids.
- When the unit is not in use for a long period of time, remove the battery to prevent leakage.

SHAR STM500 micro clip tuner has been constructed using state-of-the-art technology and the finest materials. Basic care and maintenance will result in a long life. The unit is pwered by a CR2032(3V) lithium battery. When the back LCD or LED indicator light becomes dim in color, replace the battery in order to achieve the best tuningresults from SHAR SCT500 Clip Metro-Tuner.

Operation panel & Function instruction

① **Power switch, Tuner(T),**
   Metronome(M), Sound(S)

③ **Key button(KEY)♩↯**
   Tempo range(TEMPO) -downward

⑤ **Calibration button(CALIB)**
   Tempo range(TEMPO) – upward

⑦ **Flat button(♭)♩↯**
   Rhythm(♫),
   Note button(NOTE) – upward

② **Mode button(M)♩↯**
   Beat button(B),
   Note button(NOTE) -downward

④ **VOLUME**

⑥ **LED Light**

⑧ **Vibration sensor or microphone**
   selecting switch(VIB/MIC).

■ OPERATING PROCEDURE

Prss button ① for 2 seconds to turn the unit on. You can press it again to select Tuner, Metronome or Tone generator mode. Press button ① for 2 seconds again to turn off. The power will turn off automatically approximately 3 seconds later if the unit is left unattended.

● Tuner

1. Turn unit on and press ① again to choose Tuner mode.

2. Select either vibration tuning or microphone tuning. Set switch ⑧ to the left for vibration tuning and the right for microphone tuning. The vibration sesor tunes with no interference from background noise.

3. Select Chromatic (C) / Guitar (G) / Bass (B) and Violin (V) with the mode button ② according to the instrument to be tuned. The selected mode is indicated at position D.

4. If Chromatic (C) is selected, a tuning scale can be chosen with button ③. Four kinds of scales: C, Bb, Eb or F major can be selected. The scale is indicated a position F.
   *** Guitar (G) and Violin (V) are set on the C-scale and cannot be changed. Most stringed instruments are C instruments.**

5. Set the standard tuning or select a flat tuning with button ⑦. Each time the button is pressed, halftone=b, twice halftone=bb, three halftone=bbb and four halftone=bbbb are sequentially indicated at E position.

6. For changing calibration (Reference pitch) Press button ⑤. The reference pitch can be varied within the range of 430Hz with 1Hz step of increment. Hold the ⑤ button down for automatic increment by step up to B natural.

7. When a musical instrument is played, the note letter sounded is indicated on the screen. Tune the instrument to get the desired note name on the screen. When the sound is sharp or flat , the needle is not in the middle and the LED light is red. Correct tuning is when the LED light turns to green and the needle is in H position.

● Metronome

1. Turn the SCT500 on and press ① again to select the metronome mode.

2. Select the volume by button ④. The volume has four choice, big volume, middle volume, small volume and mute, the result is indicated at position A of LCD.

3. Press button ② to select beat from 0 to 9 and the result will be displayed in F position of LCD.

4. Press button ① to choose the rhythm: ♩ ♪ ♫♫ ♫♫♫ ♫♪ ♫♫ . The result is indicated at position C.

5. Press button ⑤ and ③ to select metronome tempo. Button ⑤ is for increasing the tempo, button ③ is for decreasing the rempo. Keep pressing these buttons to change the tempo continously. The tempo range is from 30BPM to 250BPM. The result is indicated at position B.
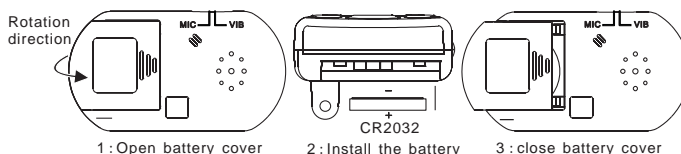
● Tone generator

1. Turn unit on and select Chromatic (C), Guitar (G), Bass Guitar (B) or Violin (V) tuner mode with button ②. The selected mode is indicated in position D.
   * It cannot be changed under tone generator mode.

2. Select the tone generator mode with button ①.

3. Select the volume by pressing button ④. The volume has four choices, high volume, middle volume, low volume and mute. The result is indicated at position A of the LCD.

4. If Chromatic (C) is selected, a tuning scale can be chosen with button ③. Four kinds of scales: C, Bb, Eb or F major can be selected. The scale is indicated a position F.
   *** Guitar (G) and Violin (V) are set on the C-scale and cannot be changed. Most stringed instruments are C instruments.**

5. For changing calibration (Reference pitch) Press button ⑤. The reference pitch can be varied within the range of 430Hz with 1Hz step of increment. Hold the ⑤ button down for automatic increment by step up to B natural.

6. A NOTE is raised by pressing button ⑦ and lowered by pressing button ②. The selected note is indicated at position G.

Caution: Be sure to unclip the unit from the instrument after tuning is finished. If the unit is left attached for a long time, there is a risk of damaging the surface of the instrument.

● Battery replacement

The LCD display becomes dim as the battery dies. Be sure to replace the button battery CR2032 with new one. Take care not to reverse its polarities. When the unit is not used for a long time; remove the battery from the unit.

1 : Open battery cover   2 : Install the battery   3 : close battery cover

■ SPECIFICATIONS

Power source	: Button battery CR2032 (3V) 1 piece
Automatic power of	: Power is cut off after the unit is left unattended for about 3 minutes
Display	: Backlight LCD display
Tuning mode	: Chromatic, Guitar, Bass, Violin mode
Measuring range	: A0(27.5Hz)~450Hz
Measurement accuracy	: ±1cent
Calibration range	: A4=430Hz~450Hz
Tuning scale	: C major, Bb major, Eb major, F major
Flat tuning	: 1~4 semitones
Assist indicator	: 1LED TUNE=green b, #=red
Sound detection	: Vibration sensor, built-in microphone
Tones generated	: E1(41.2Hz)~A5(880.00Hz)
Beat	: 0~9
Tempo range	: 30BPM~250BPM
Rhythm	: ♩ ♪ ♫♫ ♫♫♫ ♫♪ ♫♫
Volume	: High, middle, small, mute
Dimensions tuner body	: 60 (W) x33 (H) x22 (D) (excluding projections)
Weight	: Approx. 41g (including battery)

SHAR

www.sharmusic.com
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